

AMENDED

Nº 48732

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office..... JAN 18 1985  
Returned to applicant for correction..... FEB 20 1985  
Corrected application filed..... MAR 7 1985  
Map filed..... JAN 22 1985 under 48537

The applicant..... DELTA OMNI CORPORATION

17111 Kingsview Ave., of Carson  
Street and No. or P.O. Box No. City or Town

California 90746, hereby make application for permission to appropriate the public  
State and Zip Code No. waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) June 15, 1983

1. The source of the proposed appropriation is..... Geothermal Resource (underground)  
Name of stream, lake, spring, underground or other source  
..... for Production of Electric Power.
2. The amount of water applied for is..... N/A No Consumptive Use .04 CFS second-feet  
One second-foot equals 448.83 gals. per min.  
(a) If stored in reservoir give number of acre-feet..... All returned underground
3. The water to be used for..... Geothermal Power Production  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.
4. If use is for:  
(a) Irrigation, state number of acres to be irrigated..... N/A  
(b) Stockwater, state number and kinds of animals to be watered..... N/A  
(c) Other use (describe fully under "No. 12. Remarks")..... Geothermal (Project Proposal)  
(d) Power:  
(1) Horsepower developed..... 10 Mega Watt.  
(2) Point of return of water to stream..... N/A Reinjecte
5. The water is to be diverted from its source at the following point..... Located in SW¼ of NE¼. Sec. 36,  
Describe as being within a 40-acre subdivision of public  
T 18 N. R. 29E. MDB&M; from said point the NE corner of said Sec. 36 bears  
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.  
N 43°37'54" E a distance of 3231.78 feet.
6. Place of use..... All that certain real property situated in the County of Churchill,  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.  
State of Nevada, Township 18 North, Range 29 East, MDB&M. "D" Farm Unit Plat.  
South ½ of the NE¼ of Section 36.
7. Use will begin about..... Jan. 1st. and end about..... Dec. 31st, of each year.  
Month and Day Month and Day
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.)..... Geothermal well to Turbine to ReInjection  
State manner in which water is to be diverted, i.e. diversion structure, ditches and  
well  
flumes, drilled well with pump and motor, etc.
9. Estimated cost of works..... \$1.5 million per mega watt

10. Estimated time required to construct works. Two (2) years

If well completed, describe works.

Upon completion of Construction

11. Estimated time required to complete the application of water to beneficial use. Production of Power to begin.  
Estimated to begin July, 1986

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Three (3) Geothermal wells with Reinjection Wells. Please use supporting

map under Application # 48537.

By s/John C. Kalogeris  
John C. Kalogeris President  
17111 Kingsview Ave.  
Carson, Ca. 90746

Compared 11/jf js/bc

Protested

### APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production and the amount of fluid injected into the injection well to determine the total amount of fluid consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal to the source must be submitted together with the Proof of Completion.

(CONTINUED ON PAGE 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 0.04 cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before September 19, 1986

Proof of completion of work shall be filed on or before October 19, 1986

Application of water to beneficial use shall be made on or before September 19, 1991

Proof of the application of water to beneficial use shall be filed on or before October 19, 1991

Map in support of proof of beneficial use shall be filed on or before

Completion of work filed IN TESTIMONY WHEREOF, I PETER G. MORROS  
State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed my office, this 19th day of September

Cultural map filed

Certificate No. Issued

A.D. 19 85

*Peter G. Morros*  
State Engineer

218 (Rev.)

CANCELLED JAN 22 1987 BECAUSE OF FAILURE  
OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT

STATE ENGINEER

## (PERMIT TERMS CONTINUED)

An annual report for this well must be filed under this permit describing the amount of geothermal fluid consumed to a beneficial use for the calendar year. This report must also detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 29.0 acre-feet per year; but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 20% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

